Approved For Release 2003/09/02 : CIA-RDP78T05439A000300300006-3

ILLEGIB

Approved For Release 2003/09/02 : CIA-RDP78T05439A000300300006-3

SECRET

12405-

CIA/PIR-1004/64

April 1964

25X1

CENTRAL INTELLIGENCE AGENCY

PHOTOGRAPHIC INTELLIGENCE REPORT

# HSIEN-YANG RADIO COMMUNICATIONS STATION, CHINA

Published and Disseminated by

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declassification Review by NIMA/DOD

25X1

SECRET

SECRET

25X1

CIA/PIR-1004/64

# HSIEN-YANG RADIO COMMUNICATIONS STATION, CHINA

25X1A

The Hsien-yang Radio Communications station [redacted] is located at 34-23-10N 108-41-45E, approximately 2.5 nautical miles north-northwest of Hsien-yang, China (figure 1). The station is single fenced and consists of an operations area and a support area (figures 2 and 3). It covers approximately 315 acres and has maximum dimensions of 4,650 by 2,950 feet. A review of photography [redacted] indicates no change [redacted]

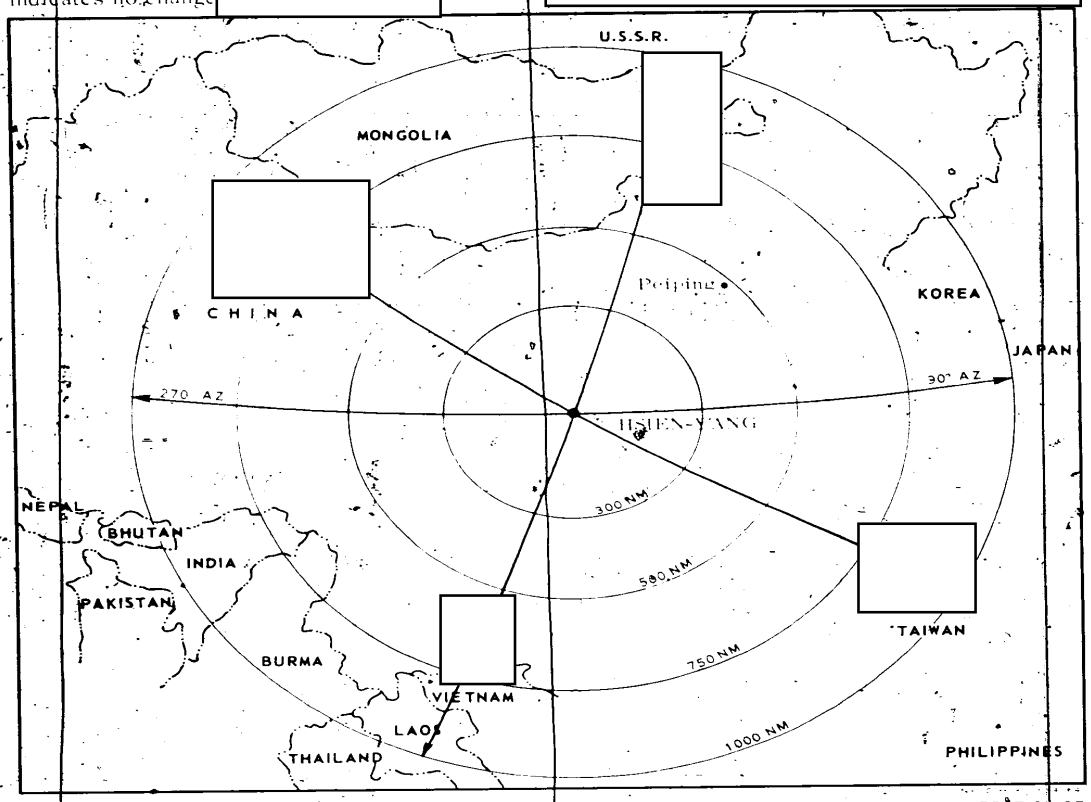
25X1D

25X1D

The operations area contains 3 multistory transmitter buildings, 2 probable antenna-tuning houses, 2 unidentified structures, and 25 self-supporting lattice towers, each bearing a 45-foot-long crossarm. Table 1 provides detailed information on the various buildings at the station.

25X1B

25X1B




25X1D

25X1D

25X1D

25X1D

FIGURE 1. LOCATION OF HSIEN-YANG STATION PLOTTED ON GNOMONIC PROJECTION, SHOWING PROBABLE DIRECTION OF TRANSMISSIONS.



SECRET

25X1

25X1

CIA PIR-1004/64

FIGURE 2. HSIEN-YANG RADIO COMMUNICATIONS STATION

25X1D

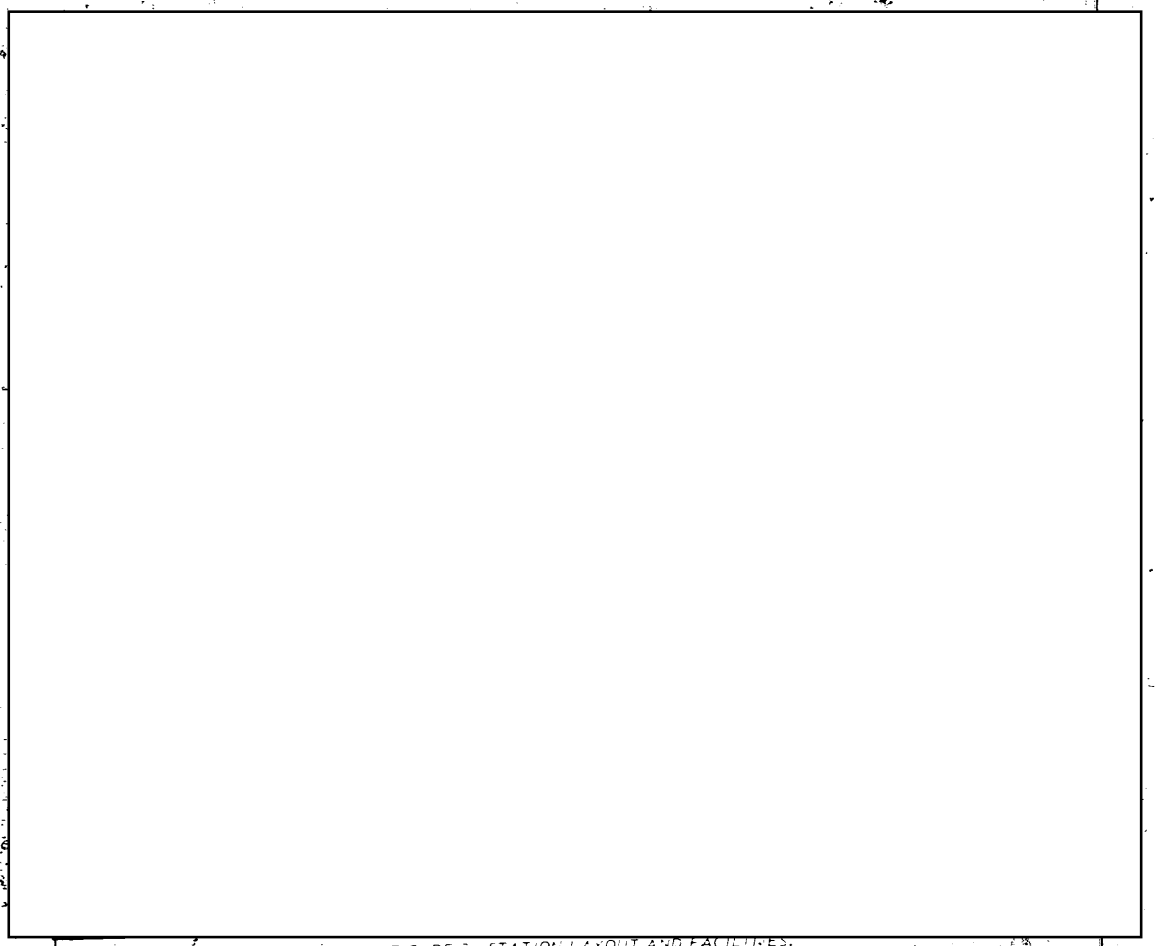
25X1B

25X1D





25X1



ILLEGIB

FIGURE 3. STATION LAYOUT AND FACILITIES.

25X1B

25X1B

Table 2 gives the approximate frequencies, azimuths, and other data for the curtain arrays. A summary of this information, showing the number of bays of similar azimuth, height, and frequency is given in Table 3. Information on the lattice towers, contained in Table 4, was the basis for the information compiled on the curtain arrays in Table 2.

The support area consists of an administration building, 15 storage or barracks buildings, a probable security building, and a transformer building.

Approved For Release 2003/09/02 : CIA-RDP78T05439A000300300006-3

Next 1 Page(s) In Document Exempt

ILLEGIB

Approved For Release 2003/09/02 : CIA-RDP78T05439A000300300006-3

*Table 4. Data on Lattice Towers*

| Tower | Height of Tower (ft) | *Distance Between Towers (ft) | *Distance Between Feed Points and or Towers (ft) |
|---|---|---|---|
| A | 220 | 380 | 75, 85, 60, 85, 75 |
| B | 220 | 335 | 65, 70, 65, 60, 75 |
| C | 175 | | |
| D | 175 | 335 | 75, 60, 65, 60, 75 |
| E | 295 | 470 | 95, 95, 90, 95, 95 |
| F | 365 | 440 | 135, 165, 140 |
| G | 365 | 440 | 140, 165, 135 |
| H | 365 | 380 | 80, 75, 70, 70, 85 |
| I | 220 | | |
| J | 295 | 470 | 95, 95, 90, 95, 95 |
| K | 365 | 440 | 140, 165, 135 |
| L | 365 | 440 | 140, 165, 135 |
| M | 365 | 440 | 140, 165, 135 |
| N | 365 | 440 | 140, 165, 135 |
| O | 365 | 470 | 90, 110, 70, 110, 90 |
| P | 295 | | |
| Q | 220 | 380 | 85, 70, 70, 70, 85 |
| R | 365 | 440 | 140, 165, 135 |
| S | 365 | 440 | 145, 160, 140 |
| T | 365 | 490 | 95, 110, 75, 110, 95 |
| U | 295 | 345 | 75, 65, 65, 65, 75 |
| V | 175 | | |
| W | 175 | 345 | 70, 70, 60, 75, 70 |
| X | 220 | 380 | 75, 85, 60, 85, 75 |
| Y | 220 | | |

*Beginning with tower 1 on Figure 2, these measurements run clockwise.

## REFERENCES

PHOTOGRAPHY

25X1C [redacted]
25X1D
25X1C

MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0384-15A, 2d Ed, Jan 60, scale 1:200,000 (SECRET)

USAF. Special Gnomonic Tracking Chart GT44S(E), Nov 51, revised Feb 57 (CONFIDENTIAL)

REQUIREMENT

NSA. NSA P043 R35-63(C)

PROJECT [redacted]

C-1714-63